

10-04-01

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## UTILITY PATENT APPLICATION TRANSMITTAL

Docket No.

TN205

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

46

## TO THE DIRECTOR FOR PATENTS

Box Patent Application

Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

CIRCUIT AND METHOD FOR HIGH-SPEED EXECUTION OF MODULO DIVISION

and invented by:

Joseph H. End III

11046 U.S. PTO

09/971949

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

## APPLICATION ELEMENTS

☒ Filing Fee as calculated and transmitted as described below

☒ Specification having 19 pages and including the following:

- a. ☒ Descriptive Title of the Invention
- b. ☐ Cross References to Related Applications (if applicable)
- c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
- d. ☐ Reference to Microfiche Appendix (if applicable)
- e. ☒ Background of the Invention
- f. ☒ Brief Summary of the Invention
- g. ☒ Brief Description of the Drawings (if applicable)
- h. ☒ Detailed Description
- i. ☒ Claim(s) as Classified Below
- j. ☒ Abstract of Disclosure

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**Application Elements (Continued)**3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*a. ☐ Formal      Number of Sheets \_\_\_\_\_b. ☒ Informal      Number of Sheets 124. ☒ Oath or Declarationa. ☒ New executed *(original or copy)*      ☐ Unexecutedb. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional applications only)*c. ☒ With Power of Attorney      ☐ Without Power of Attorneyd. ☐ DELETION OF INVENTOR(S)Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b)5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied  
under Box 4b, is considered as being part of the disclosure of the accompanying application and is  
hereby incorporated by reference herein.6. ☐ Computer Program in Microfiche *(Appendix)*☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*a. ☐ Paper Copyb. ☐ Computer Readable Copy *(identical to computer copy)*c. ☐ Statement Verifying Identical Paper and Computer Readable Copy**Accompanying Application Parts**8. ☐ Assignment Papers *(cover sheet & document(s))*9. ☐ 37 CFR 3.73(b) Statement *(when there is an assignee)*10. ☐ English Translation Document *(if applicable)*11. ☒ Information Disclosure Statement/PTO-1449      ☒ Copies of IDS Citations12. ☐ Preliminary Amendment13. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*14. ☐ Certified copy of Priority Document(s) *(if foreign priority is claimed)*15. ☒ Certificate of Mailing☐ First Class☒ Express Mail *(Specify Label No.):* ET 692 310 339 US

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**Accompanying Application Parts (Continued)**

16. ☒ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Additional Enclosures *(please identify below)*:

Associate Power of Attorney

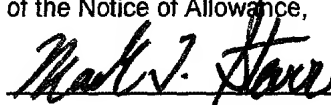
**Fee Calculation and Transmittal****CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
<b>Total Claims</b>	<b>14</b>	<b>- 20 =</b>	<b>0</b>	<b>\$18</b>	<b>\$0.00</b>
<b>Indep. Claims</b>	<b>2</b>	<b>- 3 =</b>	<b>0</b>	<b>\$84</b>	<b>\$0.00</b>
<b>Multiple Dependent Claims (check if applicable)</b> <input type="checkbox"/>					<b>\$0.00</b>
<b>BASIC FEE</b>					<b>\$740.00</b>
<b>OTHER FEE (specify purpose)</b> _____					<b>\$0.00</b>
<b>TOTAL FILING FEE</b>					<b>\$740.00</b>

☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.

☒ The Director is hereby authorized to charge and credit Deposit Account No. **19-3790** as described below. A duplicate copy of this sheet is enclosed.

- ☒ Charge the amount of \$740.00 as filing fee.
- ☐ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Dated: October 5, 2001

Mark T. Starr, Reg. No. 28,762

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Blue Bell, Pennsylvania 19424-0001

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Joseph H. End III

DOCKET NO.

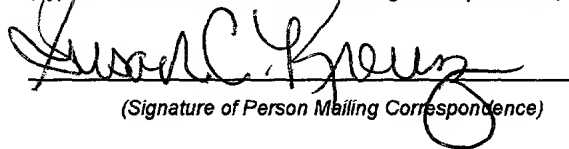
TN205

Serial No.  
To Be AssignedFiling Date  
Herewith - Oct. 5, 2001Examiner  
N/AGroup Art Unit  
N/AInvention: **CIRCUIT AND METHOD FOR HIGH-SPEED EXECUTION OF MODULO DIVISION**

I hereby certify that this utility patent application and its enclosures is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Director for Patents, Washington, DC 20231 on October 5, 2001.

Susan C. Kreuz

(Type or Printed Name of Person Mailing Correspondence)



(Signature of Person Mailing Correspondence)

ET 692 310 339 US

("Express Mail" Mailing Label Number)

**NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)**

**First Named Inventor:** Joseph H. End III

**Title:** CIRCUIT AND METHOD FOR HIGH-SPEED EXECUTION OF MODULO DIVISION

**Attorney Docket No.** TN205

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Date: October 5, 2001



Mark T. Starr

Registration No. 28,762

This request must be signed in compliance with 37 C.F.R. 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**